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Physiological ecology of invertebrates

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Resistance to stress including pollution; regulation; adaptation

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Behavioral physiology of fish; feeding; predation of fish larvae

Bulnheim, H.-P., Prof.
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Metabolic performance of invertebrates; reproductive biology and sexuality

Caron, D. A., Dr
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Feeding, respiration and nutrient regeneration of protozoans

Costlow, J. D., Jr, Prof.
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Developmental physiology; endocrinology

Enright, J. T., Prof.
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Biological rhythms

Forward, R. B., Jr, Dr
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Environmental zoo-physiology; behavior; biological rhythms

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Holland, N. D., Prof.
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Chemosensory behavior; mathematical models

Marinescu, A.-G., Dr
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Stress effects on invertebrates

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Osmoregulation in estuarine invertebrates

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Behavioural physiology; invertebrate biology

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Ecophysiology and toxicology of algae; cellular biology; behavior of algae

Purcell, J. E., Dr
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Competition for space among benthic invertebrates; zooplankton feeding and trophic interactions, feeding selectivity; larval fish feeding and mortality, recruitment

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Physiological energetics of invertebrates, incl. metabolic calorimetry; symbioses; hyperoxia and oxidative stress; effects of UV light; sea anemone biology

Videler, J. J., Dr
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Swimming dynamics of plankton; activity pattern and reproductive strategies of fishes; energy budgets of herbivores

West, J. A., Prof.
Dept of Plant Biology, Univ. of California, 111 Genetics Plant Biology Bldg, Berkeley, CA 94720, USA
Chemistry of red algae; molecular genetics of red and green algae

Zhirmunsky, A. V., Prof.
Institute of Marine Biology, Academy of Sciences, Vladivostok 690032, USSR
Mechanisms of cellular resistance and control

CULTIVATION

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Nutrition of invertebrates

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Microcosm cultures

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Cultivation of microorganisms and crustaceans; aquaculture; microenvironments

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Cultivation of invertebrates

DYNAMICS

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Physiology and ecology of corals

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Mangrove systems; reef studies

Caron, D. A., Dr
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Microbial ecology; trophic relations between planktonic protozoans and other heterotrophic and photosynthetic organisms; pelagic detrital aggregates

Collos, Y., Dr
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Nitrogen cycling and primary production

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Zooplankton biology, physiology, biochemistry

Cushing, D. H., Dr
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Productivity of the sea; fish-population dynamics; biological oceanography

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Structure and function of fish and benthic communities

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Population biology; microbial ecology

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Dynamics of nearshore ecosystems

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Population and community ecology of macroalgae

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Marine Biology Res. Section, Dept of Biological Sciences, Univ. of Southern California, Los Angeles, CA 90089-0371, USA
Planktonic microbial ecology. Productivity and growth of microorganisms, especially bacteria

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Ecology of sea birds

Gage, J. D., Dr
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Benthos of deep sea and temperate coasts

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Soft-sediment ecology

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Zoogeography; natural history of fish

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Coral-reef ecology; tropical marine biology

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Ecology of molluscs; community structure of soft-sediment invertebrates

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Behavior and allelopathy in invertebrates

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Phytoplankton ecology; primary production; photosynthesis

Scheltema, R. S., Dr
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Reproduction, biogeography, and evolution of benthic invertebrates

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Food webs and trophic interactions

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Rocky-coast ecosystems; deep-sea ecosystems

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Microzooplankton, particularly ciliates; secondary production

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Benthic ecology and bioenergetics; production; food chains of detritus-based systems

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Oceanic plankton ecosystems; deep-sea amphipods; biological oceanography

Wangersky, P. J., Prof.
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Organic matter in sea water; theoretical population dynamics; geochemistry; chemical oceanography

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Structure and functioning of benthic communities; meiofaunal ecology; energy flow

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OCEAN MANAGEMENT

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Pollution of marine environments

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Radioactive and conventional pollution

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Effects of man-made and natural disturbances on coral reefs

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Heavy metal pollution; estuarine chemistry

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Toxicology and pollution

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Marine pollution assessment and control

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Pollutant effects on plankton; radioecology

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Pollution effects on zooplankton; radioecology

Gray, J., Prof.
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Pollution effects on benthos animals

Marinescu, A.-G., Dr
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Toxicology and stress responses in invertebrates

Mauchline, J., Dr
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Radioactive pollution

McLusky, D. S., Dr
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Biological effects of pollutants (petro-, chemical, organic enrichment)

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Fisheries management and ecology

Polikarpov, G. G., Prof.
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Chemical ecology, radioecology, radiotracers, pollution; protection of sea life

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Fisheries ecology; fishery resources; zooplankton

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